

USPENSKIY, M.V.

MALAKHOV, Anatoliy Alekseyevich, doktor geol.-mineral. nauk, prof.;
USPENSKIY, M.V., redaktor; GUBIN, M.I., tekhnicheskiy redaktor.

[Geology and mineral resources of the Urals] Geologiya i poleznye
iskopaemye Urala. Moskva, Izd-vo "Znanie," 1957. 28 p. (Vsesoiuznoe
obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy.
Ser.8, no.32) (MIRA 10:11)

(Ural Mountain region--Geology) (Ural Mountain region--Mineralogy)

Uspekhi
TROFIMOV, Vladimir Sergeyevich, doktor geologo-mineralogicheskikh nauk;
NAUMOV, Guriy Vasil'yevich, kandidat geograficheskikh nauk;
USPENSKAIA, N.V., redaktor; GUBIN, M.I., tekhnicheskii redaktor

[Diamonds of Yakutia] Iakutskie almazы. Moskva, Izd-vo "Znanie,"
1957. 31 p. (Vsesoyuznoe obshchestvo: po rasprostraneniю politiches-
skikh i nauchnykh znanii. Ser.8, no.22) (MLRA 10:9)
(Yakutia--Diamond mines and mining)

USPENSKAYA N.V.

SHARONOV, Vsevolod Vasil'yevich, doktor fiz-mat. nauk, professor;
USPENSKAYA, N.V., redaktor; ATROSHCHENKO, L.Ye., tekhnicheskii
redaktor.

[New studies of the planet Mars] Novye issledovaniia planety Mars.
Moskva, Izd-vo "Znanie," 1957. 31 p. (Vsesoiuznoe obshchestvo po
rasprostraneniui politicheskikh i nauchnykh znani. Ser.8, no.24)
(MIRA 10:11)

(Mars (Planet))

KORT, V.G., professor, redaktor; ~~USPENSKAYA, N.V., redaktor izdatel'stva;~~
GUBIN, M.I., tekhnicheskii redaktor

[Soviet research in the Antarctic; the Naval Antarctic Expedition of the U.S.S.R. Academy of Sciences on the Diesel-powered ship "Ob'" during 1955-1956] Sovetskie issledovaniia v Antarktike; Morskaiia antarkticheskaiia ekspeditsiia Akademii nauk SSSR 1955-1956 gg. na dizel' - elektrokhode "Ob'." Moskva, Izd-vo "Znanie," 1957. 62 p. (Vsesoiuznoe obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh znani. Ser. 8, nos.2/3) (MIRA 10:3)

1. Nachal'nik Morskoy antarkticheskoy ekspeditsii (for Kort)
(Antarctic regions)

KHAIN, Viktor Yefimovich, doktor geologo-mineralogicheskikh nauk, prof.;
USPENSKAYA, N.V., red.; TROFINOV, A.V., tekhn. rad.

[Geology and mineral resources of the Caucasus] Geologiya i
poleznye iskopaemye Kavkaza. Moskva, Izd-vo "Znanie," 1958.
31 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh
i nauchnykh znani. Ser. 8, vyp. 2, no. 12). (MIRA 11:11)
(Caucasus--Mines and mineral resources)
(Caucasus--Geology, Stratigraphic)

KOROTAYEV, Georgiy Vladimirovich; USPENSKAYA, N.V., red.; BERLOV, A.P.,
tekhn. red.

[Amur River and its significance for the national economy] Reka
Amur i ee narodnokhoziaistvennoe znachenie. Moskva, Izd-vo "Znanie,"
1958. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniin politicheskikh
i nauchnykh znani. Ser. 8, vyp. 2, no. 14). (MIRA 11:11)
(Amur River)
(Amur Valley--Natural resources)

GOVOROV, Konstantin Antonovich, kand.geograf.nauk; USPENSKAYA, N.V., red.;
BERLOV, A.P., tekhn.red.

[Nature of the Black Sea] Priroda Chernogo moria. Moskva, Izd-vo
"Znanie," 1958. 37 p. (Vsesoiuznoe obshchestvo po rasprostraneniu
politicheskikh i nauchnykh znani. Ser. 8, vyp.2, no.19)
(Black Sea) (MIRA 12:1)

KOMAR, Igor' Valer'yanovich, kand.geograf.nauk; USPENSKAYA, M.V., red.;
ATROSHCHENKO, L.Ye., tekhn.red.

[The Urals; a sketch of their economic geography] Ural;
ekonomiko-geograficheskii ocherk. Moskva, Izd-vo "Znanie,"
1958. 38 p. (Vsesoiuznoe obshchestvo po rasprostraneniui
politicheskikh i nauchnykh znani. Ser. 8, vyp.2, no.28)
(MIRA 12:2)

(Ural Mountain region--Economic conditions)

USPENSKAYA, N.V. (Moskva)

"Climate of Moscow and surrounding territory" by N.V. Kolobkov.
Reviewed by N.V. Upsenskaja. Priroda 49 no.9:121 S '60.

(MIRA 13:10)

(Moscow Province--Climate)
(Kolobov, N.V.)

1. USFENSKAYA, N. V.
2. USSR (600)
7. Vrediteli i Bolezni Sel'skokhozyaystvennykh Kul'tur. Lektsiya dlya Trekhletnikh Agrotekhn. Kursov po Massovoy Podgotovke Kolkhoz. Kadrov bez Otryva ot Proizvodstva. Pervyy God Obucheniya. (Lektsiya 15) (Pests and Diseases of Agricultural Crops. Lectures for Three-Year Agricultural Engineering Courses in Mass Training of Kolkhoz Cadres Without Their Discontinuing Work. First Year of Study. (Lecture 15)), 30 pp, Tashkent, 1951.
9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

USPENSKAYA, N. V.

"Development of a Chemical Method of Protection Against Apricot Pests of the Orchards of Fergan." Cand Agri Sci, All-Union Sci Res Inst of Plant Protection, VASKhNIL, Leningrad, 1954. (RZhBiol, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)

SO: Sum. No. 598, 29 Jul 55

DADYKIN, V.P., doktor biologicheskikh nauk, professor; USPENSKAYA, N.V.,
redaktor; DMITRIYEVA, R.V., tekhnicheskiiy redaktor.

[Plant life in the north] O zhizni rastenii v usloviakh Severa.
Moskva, Izd-vo "Znanie," 1954. 23 p. (Vsesoiuznoe obshchestvo po
rasprostraneniu politicheskikh i nauchnykh znani, Ser.3,
no.50) (MLRA 7:12)

(Plants--Frost resistance) (Arctic regions--Botany)

GENKEL', Pavel Aleksandrovich, doktor biologicheskikh nauk, professor;
USPENSKAYA, N.V., redaktor; DMITRIYEVA, R.V., tekhnicheskii re-
daktor.

[Drought resistance in plants and ways of increasing it] Zasukho-
ustoichivost' rastenii i sposoby ee povysheniia. Moskva, Izd-vo
"Znanie," 1954. 36 p. (Vsesoiuznoe obshchestvo po rasprostraneniui
politicheskikh i nauchnykh znanii, Ser. 3, no.48) (MLRA 7:11)
(Plants--Water requirements)

ISAYEV, Sergey Ivanovich, doktor sel'skokhozyaystvennykh nauk , professor;
USPENSKAYA, N.V., redaktor; FURMAN, G.V., tekhnicheskij redaktor

[Luther Burbank] Liuter Berbank. Moskva, Izd-vo "Znanie," 1956.
30 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh
i nauchnykh znaniy. Ser. 3, no.30) (MLRA 9:9)
(Burgank, Luther, 1849-1926)

KUZIN, Aleksandr Mikhaylovich, doktor biologicheskikh nauk, professor;
USPENSKAYA, N.V., redaktor; ISLENT'YEVA, P.G., tekhnicheskii
redaktor

[Use of radioactive isotopes in biology and agriculture] Ispol'zovanie radioaktivnykh izotopov v biologii i sel'skom khoziaistve. Moskva, Izd-vo "Znanie," 1956. 37 p. (Vsesoiuznoe obshchestvo po rasprostraneniui politicheskikh i nauchnykh znani. Ser. 3, no.21)
(Radioisotopes)

RAKITIN, Yuriy Vladimirovich, professor, doktor biologicheskikh nauk;
USPENSKAYA, N.V., redaktor; GUBIN, M.I., tekhnicheskij redaktor.

[Use of stimulators and herbicides in plant growing] Ispol'zovanie
stimulatorov i gerbitsidov v rastenievodstve. Moskva, Izd-vo
"Znanie," 1957. 30 p. (Vsesoiuznoe obshchestvo po rasprostraneniu
politicheskikh i nauchnykh znani. Ser.8, no.15) (MLRA 10:5)
(Growth promoting substances)
(Herbicides)

USPENSKAYA, N.V.

STANKOV, Sergey Sergeyevich, doktor biologicheskikh nauk, professor;
USPENSKAYA, N.V., redaktor; GUBIN, M.I., tekhnicheskii redaktor

[Carl Linne, the outstanding Swedish naturalist; on the 250th anniversary of his birth] Karl Linnei-vydaishchiis
shvedskii naturalist; k 250-letiiu so dnia rozhdeniia.
Moskva, Izd-vo "Znanie," 1957. 30 p. (Vsesoiuznoe obshchestvo
po rasprostraneniuiu politicheskikh i nauchnykh znani. Ser. 8,
no. 11)

(Linne, Carl Von, 1707-1778)

USPENSKAYA, N.V.

MISHUSTIN, Yevgeniy Nikolayevich; USPENSKAYA, N.V., red.; GUBIN, M.I.,
tekhn.red.

[Role of microorganisms in increasing productivity in agriculture
and stockbreeding] Rol' mikroorganizmov v povyshenii produktivnosti
zemledeliya i zhivotnovodstva. Moskva, Izd-vo "Znanie," 1957. 39 p.
(Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i
nauchnykh znaniy. Ser.8, no.45) (MIRA 11:4)

1. Chlen-korrespondent AN SSSR (for Mishustin)
(Bacteriology, Agricultural)

6 05-10-10-10 N.Y.
GUBAR', Nikolay Sergeyevich, kand. ekon. nauk; ROZIN, Vitaliy Alekseyevich,
kand. tekhn. nauk; USPENSKAYA, N.V., red.; STRELETSKIY, I.A.,
tekhn. red.

[New drainage methods for soils with high mineral content] Novoe v
osushenii mineral'nykh zemel'. Moskva, Izd-vo "Znanie," 1958. 30 p.
(Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i
nauchnykh znaniy. Ser.5, no.8). (MIRA 11:9)
(Drainage)

MISHUSTIN, Yevgeniy Nikolayevich; USPENSKAYA, N.V., red.; BERLOV, A.P.,
tekhn. red.

[Achievements of Soviet biology] Dostizhenia sovetskoi biologii.
Moskva, Izd-vo "Znanie," 1958. 62 p. (Vsesoiuznoe obshchestvo po
rasprostraneniю politicheskikh i nauchnykh znaniy. Ser. 9, vyp. 1,
no.11/12). (MIRA 11:8)

1. Chlen-korrespondent Akademii nauk SSSR (for Mishustin).
(BIOLOGY)

FREYDIN, Khaim Markovich, doktor meditsinskikh nauk, professor; USPENSKAYA,
H.V., redaktor; DMITRYEVA, R.V., tekhnicheskiiy redaktor.

[Sanatorium and health resort therapy for nervous diseases]
Nervnye bolezni i ikh sanatorno-kurortnoe lechenie. Moskva,
Izd-vo "Znanie," 1954. 23 p. (Vses. ob-vo rasprostraneniia
polit. i nauchn. znani, ser.3, no.51) (MLRA 7:12)
(Nervous system--Diseases) (Therapeutics, Physiological)

KORNEV, Petr Georgiyevich, professor, laureat Stalinskoy premii; USPENSKAYA, N.V., redaktor; DMITRIYEVA, R.V., tekhnicheskii redaktor.

[Tuberculosis of bones and joints and its therapy] Kostno-sustavnoi tuberkulez i ego lechenie. Moskva, Izd-vo "Znanie," 1954. 38 p. (Vses. ob-vo po rasprostraneniю polit. i nauchn. znaniy, ser.3, no.49)

1. Deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Kornev)
(Bones--Tuberculosis) (Joints--Tuberculosis)

USPENSKAYA, N. V.

SOLOV'YEV, Valentin, Dmitriyovich, laureat Stalinskoy premii, professor;
ZHDANOV, V.M., redaktor; USPENSKAYA, N.V., redaktor; ISLENT'YEVA,
P.G., tekhnicheskii redaktor.

[Causes and prophylaxis of influenza and catarrhs of the upper respiratory tract] Prichiny vozniknoveniya i profilaktika grippa i katarrov verkhnikh dykhatel'nykh putei. Moskva, Izd-vo "Znanie," 1955. 23 p.
(Vsesoiuznoe obshchestvo po rzsprostraneniю politicheskikh i nauchnykh znaniy, Seriya 3, no.5). (MLRA 8:5)

1. Chlen-korrespondent AMN SSSR (for Zhdanov).
(Influenza) (Catarrh)

USPENSKAYA, N.V.

KASSIRSKIY, Iosif Abramovich; zaslushennyi deyatel' nauki, professor.
USPENSKAYA, N.V., redaktor; DMITRIYEVA, R.V., tekhnicheskii
redaktor.

[Chemotherapy and its achievements] Khimioterapiia i ee
dostizheniia. Moskva, Izd-vo "Znanie," 1955. 31 p. (Vsesoiuznoe
obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh
znani. Ser. 3, no.23) (MLRA 8:9)
(Chemotherapy)

ASRATYAN, E.A.; USPENSKAYA, N.V., redaktor; ISLENT'YEVA, P.G.,
~~tekhnicheskii redaktor.~~

[I.P.Pavlov's teaching on the higher nervous activity]
Uchenie I.P.Pavlova o vysshei nervnoi deiatel'nosti. Moskva,
Izd-vo "Znanie," 1956. 29 p. [Vsesoiuznoe obshchestvo po
rasprostraneniю politicheskikh i nauchnykh znanii. Ser. 3
no.1) (MLRA 9:1)

1. Chlen-korrespondent AN SSSR (for Asratyan)
(NERVOUS SYSTEM) (PAVLOV, IVAN PETROVICH, 1849-1936)

ANICHKOV, Nikolay Nikolayevich, akademik; USPENSKAYA, N.V., redaktor;
FURMAN, G.V., tekhnicheskii redaktor

[Diseases of the arteries] Zabolevaniia arterii. Moskva, Izd-vo
"Znanie," 1956. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniui
politicheskikh i nauchnykh znani. Ser.3, no.36) (MLA 9:9)
(ARTERIES--DISEASES)

0512-10-10-10, 10-10
NESTEROV, Anatoliy Innokent'yevich, professor; USPENSKAYA, N.V., redaktor;
GUBIN, M.I., tekhnicheskii redaktor.

[Rheumatism, its treatment and prevention] Revmatizm, ego lechenie
i preduprezhdenie. Moskva, Izd-vo "Znanie," 1957. 23 p. (Vsesoiuznoe
obshchestvo po rasprostraneniю politicheskikh i nauchnykh snanii.
Ser.8, no.16). (MLRA 10:6)

1. Deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Nesterov).

(RHEUMATISM)

US PERISKOPIA R.V.

MEN'SHIKOV, Fedor Kuz'mich, doktor meditsinskikh nauk, professor;
USPENSKAYA, N.V., redaktor; GUBIN, M.I., tekhnicheskii redaktor.

[Diet in diseases of the cardiovascular system] Lechebnoe pitanie
pri zabolevaniakh serdechno-sosudistoi sistemy. Moskva, Izd-vo
"Znanie," 1957. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniю
politicheskikh i nauchnykh znaniy. Ser.8, no.26) (MIRA 10:11)
(DIET IN DISEASE) (CARDIOVASCULAR SYSTEM--DISEASES)

USPENSKAYA, N. V.

DORMIDONTOVA, Klavdiya Vasil'yevna; kand.med.nauk; USPENSKAYA, N.V., red.;
GUBIN, M.I., tekhn.red.

[Some diseases of the eyes and their prevention] Nekotorye glaznye
zabolevaniia i ikh profilaktika. Moskva, Izd-vo "Znanie," 1957.
29 p. (Vsesoiuznoe obshchestvo po rasprostraneniuiu politicheskikh
i nauchnykh znanii. Ser.8, no.28) (MIRA 10:10)
(EYE-DISEASES AND DEFECTS)

USPENSKAYA, N. V.

MOICHANOV, Nikolay Semenovich, prof.; USPENSKAYA, N.V., redaktor; GUBIN, M.I.,
tekhnicheskii redaktor.

[Prevention of diseases of the cardiovascular system] Profilaktika
zabolevanii serdechno-sosudistoi sistemy. Moskva, Izd-vo "Znanie,"
1957. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh
i nauchnykh znaniy. Ser.8, no.29) (MIRA 10:11)

1. Chlen-korrespondent AMN SSSR.(for Molchanov).
(CARDIOVASCULAR SYSTEM--DISEASES)

USPINSKAYA, N.V.

ASHURKOV, Yevgeniy Dmitriyevich; MOROZOV, Nikolay Nikolayevich;
USPINSKAYA, N.V., red.; GUBIN, M.I., tekhn.red.

[Guarding the health of the Soviet people] Okhrana zdorov'ia sovetskogo
naroda. Moskva, Izd-vo "Znanie," 1957. 29 p. (Vsesoiuznoe obshchestvo
po rasprostraneniю politicheskikh i nauchnykh znaniy. Ser.8, no.38)
(MIRA 10:11)

(PUBLIC HEALTH)

KASSIRSKIY, Iosif Abramovich; USPENSKAYA, N.V., red.; TROFIMOV, A.V.,
tekhn. red.

[Medical achievements in the treatment of diseases of the blood]
Dostizhenia meditsiny v lechenii boleznei krovi. Moskva, Izd-vo
"Znanie," 1958. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniю
politicheskikh i nauchnykh znaniy. Ser. 8, vyp. 1, no.7).
(MIRA 11:8)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Kassirskiy).

(BLOOD--DISEASES)

SOKOLOVA-PONOMAREVA, Ol'ga Dmitriyevna, prof.; USPIENSKAYA, N.V., red.;
BERLOV, A.P., tekhn.red.

[Rheumatic fever in children] Revmatizm u detei. Moskva, Izd-vo
"Znanie," 1958. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniui
politicheskikh i nauchnykh znani. Ser. 8, vyp. 1, no.16)
(MIRA 12:1)

1. Chlen-korrespondent AMN SSSR (for Sokolova-Ponomareva).
(RHEUMATIC FEVER)

GRASHCHENKOV, Nikolay Ivanovich; MYASISHCHIN, Vladimir Nikolayevich;
SHCHUKLOVANO, Nikolay Matveyevich; USPENSKAYA, N.V..red.; GUBIN, M.I.,
tekh.n.red.

[V.M. Bekhterev's contribution to the study of the brain and psyche]
Vklad V.M. Bekhtereva v uchenie o mozge i psikhike. Moskva, Izd-vo
"Znanie," 1958. 37 p. (Vseroiuznoe obshchestvo po rasprostraneniu
politicheskikh i nauchnykh znani. Ser. 8, vyp. 1, no.8) (MIRA 11:8)
(BEKHTEROV, VLADIMIR MIKHAILOVICH, 1857-1927)

USPENSKAYA, N.V.

Dynamic observations on persons working under conditions of the action of electromagnetic waves of centimeter range. Vrach. delo no. 3:124-125 Mr '61. (MIRA 14:4)

1. Klinicheskiy otdel (rukovoditel' - prof. M.A. Kovnatskiy) Leningradskogo instituta gigiyeny truda i professional'nykh zabolevaniy.

(ELECTRICITY—PHYSIOLOGICAL EFFECT)

(NERVOUS SYSTEM—DISEASES) (BLOOD)

21

cd

2

Mineral gases of Upper Dagestan (Caucasus). N. Ya. Uspenskiy. *Not. S. No. 3, 5(1932)*.—A gas found in Akhtai (about 100 km. from the station Biliandzi of the Transcaucasian R. R.) in a mineral water spring contained mainly CH_4 in addn. to some CO_2 , N_2 and rare gases. The investigation is being continued. A. A. Ruchting

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

1900 1910 1920 1930 1940 1950 1960 1970 1980 1990

1900 1910 1920 1930 1940 1950 1960 1970 1980 1990

1ST AND 2ND COVERS

PROCESSES AND PROPERTIES INDEX

Ca

The Kineval gas deposit in the Leaks region of the Daghestan mountain area. N. Yu. Uspenskaya. *Natural Gases U. S. S. R.* No. 8, 42-4(1934). - The gas contains CH_4 82.4, C_2H_6 0.5, CO_2 1.5, O_2 0.3 and N_2 + noble gases 9.3% (0.032% light and 0.03% heavy noble gases).

ASB SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND COVERS

PROCESSES AND PROPERTIES INDEX

3241. MAIN TYPES OF OIL AND GAS-BEARING PLATFORM STRUCTURES.
Uppenkaya, M. J. (Compt. Rend. (Moklady) Acad. Sci. U.R.S.S., 1946,
52, 347).

Local uplifts which complicate the structure of large platform
arches and basins are subdivided into three groups: (a) buried struc-
tures, (b) surface structures, (c) salt domes. Group (a) is discussed
in detail and further subdivided into "revived" and "compacted"
structures. The geological characters, oil and gas contents, and
conditions for gas and oil occurrence of these two subdivisions are
tabulated, together with actual examples. Group (b) surface structures
are briefly defined.

Moscow Petroleum Inst.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE

SELECT ONE ONLY 101

USPENSKAYA, M. Yu.

Uspenskaya, M. Yu. and Brod, I. O. "The basic outlines of the geological structure, conditions, and outlook for the future oil production in the Bashkir Ural Region", Trudy Mosk. neft. in-ta im. akad. Gubkina, Issue 7, 1949, p. 19-55. - Bibliog: 19 items.

SO: U-2888, 12 Feb. 53, (Letpols' Zhurnal 'nykh Statey, No. 2, 1949).

USPENSKAYA, N. IU.

Nekotorye zakonomernosti neftegazonakopleniia na platformakh (Some principles of petroleum-gas accumulation on platforms). Moskva, Gostopekhizdat, 1962. 196 p.

SO: Monthly List of Russian Accessions, Vol 6, No. 3, June 1963

USSR - Mining

AID P - 2718

Subject : USSR/Mining

Card 1/1 Pub. 78 - 15/27

Author : Uspenskaya, N. Yu.

Title : ~~Principles in classification of oil and gas deposits~~
Principles in classification of oil and gas deposits

Periodical : Neft. khoz. v. 33, #6, 51-61, Je 1955

Abstract : The author suggests classifying oil and gas deposits into 3 types: 1) structural, 2) stratigraphic, 3) lithologic. However, this classification, based on the principles of genetics, is not clearly followed e.g. the above 3 types of deposits are intermingled with different types of traps and reservoirs, intermediary types of deposits are introduced, etc. 8 references, 1943-1952.

Institution : None

Submitted : No date

USPENSKAYA, N.Yu.

Petroleum-bearing potential of the Middle East. *Neft.khoz.* 34
no.2:66-69 F '56. (MLRA 9:5)
(Near East--Petroleum)

USPENSKAYA, N.Yu.

Oil-bearing potential of the Middle East. Neft.khoz.34 no.3:61-68
Mr '56. (Near East--Petroleum) (MIRA 9:7)

VEGERT, F. (Germanskaya Demokraticheskaya Respublika); USPENSKAYA, N.Yu.

Results of searching for oil and prospects for finding oil and
gas in the German Democratic Republic. Trudy MINKHIGP no.25:
351-359 1959. (MIRA 15:5)

(Germany, East--Petroleum geology)
(Germany, East--Gas, Natural--Geology)

USPENSKAYA, N.Yu.; LARIN, V.I.

Trends in oil and gas prospecting in the southern Mangyshlak
steppes. Razved. i okh. nedr 26 no.12:5-7 D '60. (MIRA 13:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akad.Gubkina.

(Mangyshlak Peninsula--Prospecting)

USPENSKAYA, N.Yu.; BYKOV, R.I.; SUDARIKOV, Yu.A.

Outlook for oil and gas in eastern and central Ciscaucasia and the southern Russian Platform and basic trends in future prospecting. Trudy VNIGNI no.32:211-247 '60. (MIRA 14:7)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M. Gubkina.

(Caucasus, Northern--Petroleum geology)
(Caucasus, Northern--Gas, Natural--Geology)
(Russian Platform--Petroleum geology)
(Russian Platform--Gas, Natural--Geology)

USPENSKAYA, N. Yu.

Belt of huge faults within the platform through the southern part
of European Russia and Central Asia. Sov. geol. 4 no.3:88-96
Mr '61. (MIRA 14:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
imeni I. M. Gubkina.

(Russian Platform)
(Geology, Structural)

VASIL'YEV, V.G.; MERZLENKO, Yu.F.; MATSKEVICH, N.M.; ZHIVAGO, N.V.;
 LI CHZHAO-ZHEN' [Li Chao-Jên]; GOLYAKOV, V.A.; SHABATIN, I.V.;
 BORISENKO, Ye.M.; MIROSHNIKOV, M.V.; USPENSKAYA, N.Yu.;
 KHEL'KVIST, V.G.; GRATSIAKOVA, O.P.; BUDNIKOV, N.B.; BELOV, K.A.;
 MAKSIMOV, S.P.

Discussion. Trudy VNIGNI no.32:282-336 '60.

(MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza (for Vasil'yev, Zhivago, Khel'kvist).
2. Neftepromyslovoye upravleniye Stavropol'neft' (for Merzlenko).
3. Groznenskiy nauchnoissledovatel'skiy neftyanoy institut (for Matskevich).
4. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M. Gubkina (for Li Chzhao-zhen', Uspenskaya).
5. Stavropol'skiy filial Groznenskogo nauchnoissledovatel'skogo neftyanogo instituta (for Golyakov, Shabatin, Borisenko, Miroshnikov).
6. Ministerstvo geologii i okhrany neдр SSSR (for Gratsianova, Budnikov).
7. Glavnyy geolog neftyanogo i gazovogo upravleniya Stavropol'skogo sovnarkhoza (for Belov).

(Caucasus, Northern--Petroleum geology)

(Caucasus, Northern--Gas, Natural--Geology)

USPENSKAYA, N.Yu.; SUDARIKOV, Yu.A.

Sutural zone of convergence of the Russian Platform and the
Epi-Hercynian Platform of Ciscaucasia. Trudy MINKHIGP no.43:
67-75 '63. (MIRA 17:4)

MUZYCHENKO, Nina Mikhaylovna; YURKEVICH, Tat'yana Yakovlevna; BAKIROV, A.A., prof., glav.red.; RYABUKHIN, G.Ye., prof., red.; USPENSKAYA, N.Yu., prof., red.; ZHDANOV, M.A., prof., red.; DOLITSKIY, V.A., dots., red.; SPIKHINA, A.M., kand. geol. nauk, red.; YUDIN, G.T., kand. geol.-min. nauk, red.; TABASARANSKIY, Z.A., dots., red.; BAKIROV, E.A., dots., red.; BYKOV, R.I., dots., red.; FOMKIN, K.V., kand. geol.-min. nauk, red.; KNYAZEV, V.S., dots., red.; SHIROKOV, V.Ya., st. nauchn. sotr., red.; YUNGAS, S.M., ved. red.; NEVEL'SHTEYN, V.I., ved. red.

[Geological conditions and fundamental characteristics of oil and gas accumulations in the limits of the Epi-Hercynian platform in the south of the U.S.S.R.) Geologicheskie usloviia i osnovnye zakonomernosti razmeshcheniia skoplenii nefi i gaza v predelakh epigertsinskoi platformy iuga SSSR. Pod red. A.A.Bakirova. Moskva, Gostoptekhizdat. Vol.1. [Central Asia] Sredniaia Azia. 1963. 442 p. Vol.3. [Volga Valley portion of Saratov and Volgograd Provinces] Saratovsko-Volgogradskoe Povolzh'e. 1963. 153 p. (MIRA 17:4)

1. Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti.

USPENSKAYA, N. Yu.

"Tectonic features and oil and gas deposits in marginal zones of platforms bordering alpine folded systems."

report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

VAGIN, S.B.; GORDINSKIY, G.Ye.; GRIBOVA, Ye.A.; DUBROVSKAYA, M.A.; ZHDANOV, M.A., prof.; ZYUZINA, N.G.; KARTSEV, A.A.; KNYAZEV, V.S., dots.; LEONOVA, R.A.; POKROVSKAYA, L.V.; SUDARIKOV, Yu.A.; YUDIN, G.T., dots.; SOKOL'SKAYA, Z.V.; TOMKINA, A.V.; USPENSKAYA, N.Yu., prof.; FOMKIN, K.V., kand.geol-min.nauk; CHERNYSHEV, S.M.; YAVORCHUK, I.V.; BAKIROV, A.A., prof., red.; DEMENT'YEVA, T.A., ved. red.

[Geological conditions and basic characteristics of oil and gas accumulations in the limits of the Epi-Hercynian Platform in the south of the U.S.S.R.] Geologicheskie uslovia i osnovnye zakonomernosti razmeshcheniia skoplenii nefiti i gaza v predelakh epigertsinskoj platformy iuga SSSR. Pod obshchei red. A.A.Bakirova. Moskva, Nedra. Vol.2. 1964. 306 p. (MIRA 17:12)

1. Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti.

USPENSKAYA, O. S.

"Neurological Clinical Manifestations and the Diagnosis of Tumors of the Stomach Walls." Cand Med Sci, Inst of Neurosurgery, Acad Med Sci USSR, Moscow, 1953. (RZhBiol, No 1, Sep 54.)

SO: Sum 432, 29 Mar 55

USPENSKAYA, O.S., kand.med.nauk

Clinical aspects of primary tumors of the third ventricle. Probl.
sovr.neirokhir. 3:189-224 '59. (MIRA 16:6)
(BRAIN—TUMORS)

USPENSKAYA, O.S., kand.med.nauk

Clinical aspects of tumors of the fundus of the third ventricle.
Probl.sovr.neirokhir. 3:225-246 '59. (MIRA 16:6)
(BRAIN--TUMORS)

USPENSKAYA, O.S.

Clinical aspects and diagnosis of tumors of the aqueduct of Sylvius.
Vop. neirokhir. 24 no. 3:24-28 My-Je '60. (MIRA 14:1)
(BRAIN—TUMORS)

USPENSKAYA, O.S. (Moskva)

Clinical characteristics of tumors of the medulla oblongata.
Vop.neirokhir. no.4:29-32 '61. (MIRA 14:12)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni akad. N.N. Burdenko AMN SSSR.
(MEDULLA OBLONGATA -TUMORS)

USPENSKAYA, O.S.; VOLKOVA-PAVLOVA, V.J.

Clinical aspects and surgery in the treatment of ripe neuroectodermal tumors of the frontoparasagittal region. Vop.neirokhir. 28
no.4:11-15 J1-Ag '64. (MIRA 18:3)

1. Nauchno-issledovatel'skiy order. Trudovogo Krasnogo Znameni
institut neyrokhirurgii imeni Burdenko (dir. - prof. A.I.
Arutyunov) AMN SSSR, Moskva.

USPENSKAYA, O.V.

Central district serological laboratories of the Kalinin Province.
Probl. gemat. i perel. krovi no.3:44-47 '65.

(MIRA 18:10)

1. Kalininskaya oblastnaya stantsiya perelivaniya krovi (glavnyy
vrach Ye.S.Morozova).

USPENSKAYA, O.V.

Peculiarities of human anti-Eh serum. Akt.vop.perel.krovi no.4:
102-105 '55. (MIRA 13:1)

1. Kalininskaya oblastnaya stantsiya perelivaniya krovi.
(RH FACTOR)

CA

Porcelain resistors with a carbon layer (not wire wound).
A. I. Mikhlashevskii and P. I. Uspenskaya. *Zhur. Priklad. Khim.* 24, 242-51; *J. Applied Chem. U.S.S.R.* 24, 267-77 (1951) (Engl. translation).—Exptl. data are reported from a study to det. criteria for selecting ceramic ware for porcelain resistor bases, examg. the nature of the C layer, and establishing optimum conditions for bonding the C layer to the ceramic ware. A paste contg. 35.0% Karelian feldspar, 20% Prosyanovsk kaolin, 20% Chasovyar clay, and 19% quartz sand produced a porcelain superior to the standard porcelain studied. The conducting layer was graphitic, contg. 95-98% C and with a sp. gr. of 2.26. Its thickness varied from 0.03 to 0.1 μ for resistors of the order of 6000-3000 ohms. The closer the coeff. of linear expansion of the porcelain was to that of the conducting C layer the better was the bond between the two. The optimum temp. for producing a coating on the porcelain by hydrocarbon cracking was found to be 900-1000°. The resistance was a complex function of the nature of the graphitic film. D. P. R.

PROCESSES AND PROPERTIES INDEX

MIRLAMETSKII AND R. I. USPENSKAYA. *J. Applied Chem* (U.S.S.R.), 24 [3] 242-31 (1951). Tests were made with carbon-coated porcelain cylinders of SiO_2 67 to 69, Al_2O_3 21 to 26, and K_2O 4 to 6%; refractoriness was 1650° to 1700°C, specific gravity 2.440 to 2.460, bulk density 2.29, total porosity 6.6 to 6.9%, open porosity 0.04 to 0.05%, and fracture strength 1000 kg./cm². Chemical and X-ray studies indicate that the conducting layer is graphite of 95 to 96% C with a specific gravity of 2.26. For a resistance of 3000 to 6000 ohms, layer thickness ranged from 0.03 to 0.1μ. The strongest bond between the porcelain and the C layer is obtained when their coefficients of linear expansion are close; at temperatures up to 100°C. (allowable temperature for use of nonwire resistances) the coefficients were close, and at 80° they were alike. In production, the following mix is recommended: feldspar 350, kaolin 26, clay 20, and quartz sand 19%. In coating the porcelain with C, it is recommended that N_2 under pressure be passed through benzene solution and over the porcelain cylinders at 900° to 950°C. At lower temperatures there was no pyrolysis, but at higher temperatures the C layer did not adhere firmly to the porcelain. Resistance was a complex function of thickness, for thicknesses less than 0.1μ the resistance increased several times more than the thickness decreased. The porcelain composition was not optimum; others are more suitable. B Z K

ASAC 544 METALLURGICAL LITERATURE CLASSIFICATION

USPENSKAYA, S.I.

L.A. BRODOVICH, Arch. sci. biol. 38, 1935, 411-18

USPENSKAYA, Sh. V.
V.L. KRETOVICH, Biokhimiya Zerna, Akad. Nauk SSSR., Sbornik 1,
(1952) 43-64

Uspenskaya, T. A.

4 Effects of prolonged irradiation of legume (pea and soy) plants on nitrogen fixation of nodule bacteria and nodules. M. V. Fedorov and T. A. Uspenskaya (K. A. Timiryazev Agr. Acad., Moscow). — *Bioreologiya* 22, 201-202 (1955). — Irradiation of pea and soy plants influences carbohydrate assimilation and hence both nodule size and activity of nodule bacteria. Interference with the symbiosis between nodule bacteria and the plant causes severe morphological and cytological changes in the bacterial cells. Evidently N-fixation capacity depends on the state of cell protoplasm, which depends on the conditions prevailing in the nodules. Julian P. Smith. ①

USPENSKAYA, T. A.

USSR/ Agriculture - Microbiology

Card 1/1 Pub. 22 - 48/51

Authors : Fedorov, M. V., and Uspenskaya, T. A.

Title : Fixation of atmospheric nitrogen with pure cultures of tuberous bacteria of peas, soy beans and clover

Periodical : Dok. AN ESSR 101/1, 177-180, Mar 1, 1955

Abstract : Many tests were conducted to determine the ability of tuberous bacteria in assimilating themselves to the conditions of atmospheric nitrogen in pure culture. Results obtained are described. Nine references: 5 USSR, 1 Lutch, 2 USA and 1 French (1891-1948). Tables.

Institution : The K. A. Timiryazev Agricultural Academy, Moscow

Presented by: Academician A. L. Kursanov, December 20, 1954

BRAZHNIKOVA, M.G.; USPENSKAYA, T.A.; SOKOLOVA, L.B.; PREOBRAZHENSKAYA, T.P.;
GAUZE, G.F.; UKHOLINA, R.S.; SHORIN, V.A.; ROSSOLIMO, O.K.; VERTO-
GRADOVA, T.P.

New antiviral antibiotic heliomycin. Antibiotiki 3 no.2:29-34 Mr-Apr
'58. (MIRA 12:11)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.

(ANTIBIOTICS,

heliomycin, prep. from Actinomyces flavochromogenes
var. heliomycini & antiviral properties (Rus))

(ACTINOMYCETES, metabolism,

flavochromogenes var. heliomycini, heliomycin syn-
thesis (Rus))

EXCERPTA MEDICA Sec 2 Vol 12/6 Physiology June 59

2520. A NEW ANTIVIRUS ANTIBIOTIC, HELIOMYCIN (Russian text) - Brazhnikova M.G., Uspenskaya T.A., Sokolova L.B., Preobrazhenskaya T.P., Gause G.F., Ukholina R.S., Shorin V.A., Rossolimo O.K. and Vertogradova T.P. - ANTIBIOTIKI 1958, 3/2 (29-34) Graphs 3 Illus. 1

This antibiotic was isolated in crystalline form from the mycelium of *Actinomyces flavochromogenes*, var. *heliomycini*. I.v. injection of 0.25 mg. in mice gave no toxic signs, but the same amount injected i.p. was equivalent to LD₅₀. In mice the new antibiotic prevents and cures intranasal infection with influenza A virus.

Anigstein - Galveston, Tex. (L,2,4)

GAUZE, G.F.; MAKSIMOVA, T.S.; POPOVA, O.L.; BRAZHNIKOVA, M.G.; USPENSKAYA, T.A.;
ROSSOLIMO, O.K.

Mutomycin, a new antibiotic produced by *Actinomyces atroolivaceus*.
Antibiotiki 4 no.3:20-23 My-Je '59. (MIRA 12:9)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS,

mutomycin, prod. by *Actinomyces atroolivaceus*
& pharmacol. (Bus))

BRASHNIKOVA, M.G.; KUDINOVA, M.K.; LAVROVA, M.F.; ~~USPENSKAYA, T.A.~~

Isolation and properties of monomycin. Antibiotiki 5 no.4:6-10 JI-
Ag '60. (MIRA 13:9)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS)

USPENSKAYA, T.A., kand.biologicheskikh nauk; IVANITSKAYA, L.P., kand.
meditsinskikh nauk

Conference on the problem of the new antibacterial antibiotics.
Vest.AMN SSSR 15 no.5:72-75 '60. (MIRA 14:3)
(ANTIBIOTICS)

USPENSKAYA, T.A.

At the Fifth International Biochemistry Congress (based on materials
from the section on the Biochemistry of Antibiotics). Antibiotiki 6
no.12:1128-1131 D '61. (MIRA 15:2)
(BIOCHEMISTRY...CONGRESSES) (ANTIBIOTICS)

BLINOV, N.O.; RYABOVA, I.D.; USPENSKAYA, T.A.; KHOKHLOV, A.S.

Identity of heliomycin and resistomycin. Antibiotiki 7 no.8:708-
713 Ag '62. (MIRA 15:9)

1. Institut khimii prirodnkh soyedineniy AN SSSR i Institut po
izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS)

USPENSKAYA, T.A.

New antibiotics. Med.prom. 16 no.7:6-9 J1 '62. (MIRA 15:9)

1. Institut po izyskaniyu novykh antibiotikov AMN SSSR.
(ANTIBIOTICS)

USPENSKAYA, T.A.

Scientific conference on the problem of investigating and studying
antitumor and antibacterial antibiotics. Vest. AMN SSSR 17 no.3:
89-93 '62. (MIRA 15:4,
(ANTIBIOTICS--CONGRESSES) (CYTOTOXIC DRUGS--CONGRESSES)

USPENSKAYA, T.A.

Work of the section, "Biochemistry of antibiotics", at the
Fifth International Biochemistry Congress in Moscow. Mikrobiologiya
31 no.1:182-185 Ja-F '62. (MIRA 15:3)
(BIOCHEMISTRY--CONGRESSES)
(ANTIBIOTICS)

USPENSKAYA, T.A. (Moskva)

Scientific conferences on the results of experimental studies and
prospects of the clinical use of ristormin, a new antibacterial
antibiotic. Vest. AMN SSSR 18 no.11:72-30 '63 (MIRA 17:67)

KAPLAN, G.Ye.; MACHINSKIY, A.V.; YAKUBOVICH, I.A.; USPENSKAYA, T.A.;
PRYANISHNIKOVA, T.V.

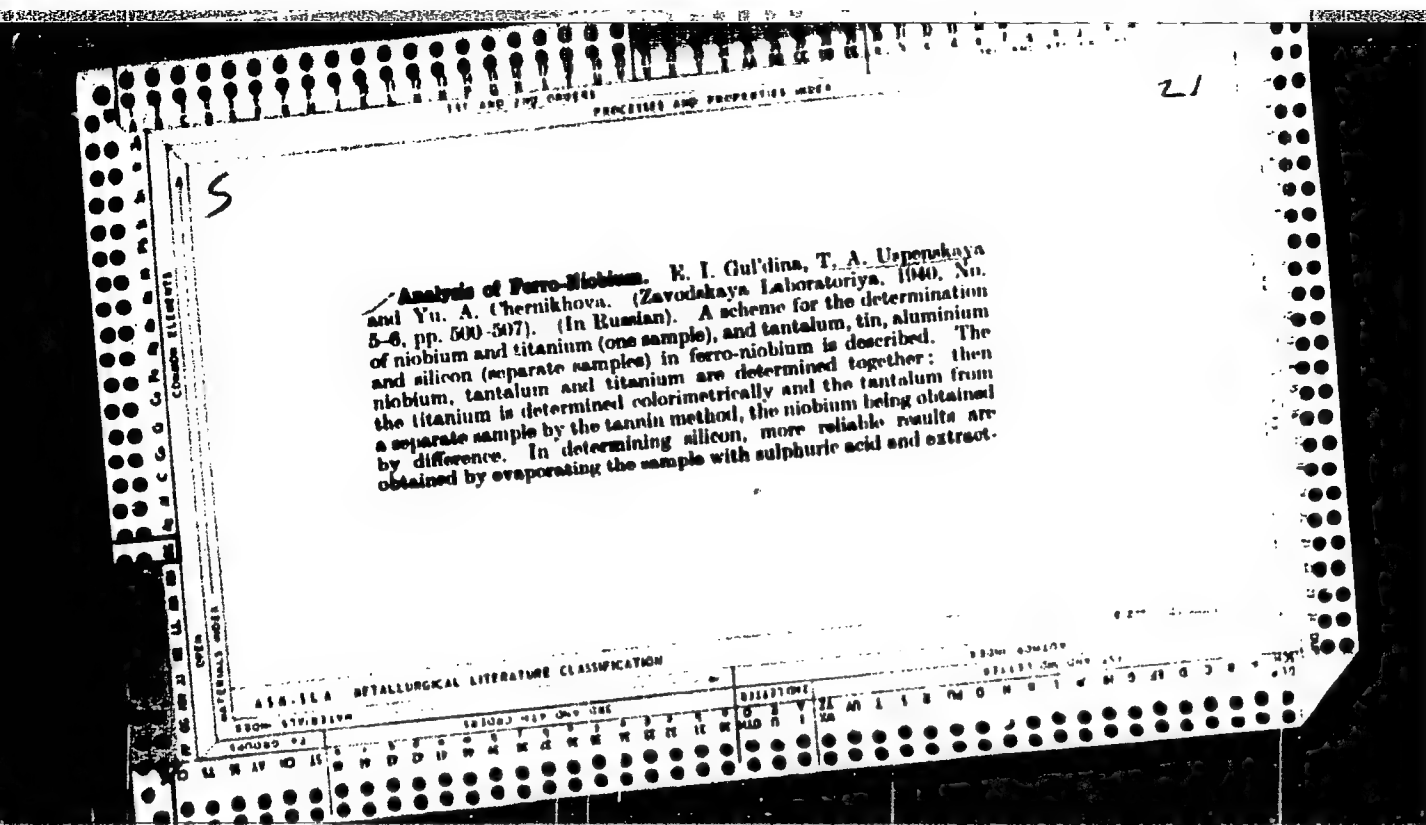
Effect of hyperfine comminution on the course of solid phase
reactions. Zhur.prikl.khim. 36 no.1:95-101 Ja '63. (MIRA 16:5)
(Granulated materials) (Sintering).

USPENSKAYA, T. A.

"Antibiotic heliomycin and its use in the clinic."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst for the Search of New Antibiotics, AMS USSR, Moscow.



Determination of Lithium in Light Alloys. Vn. A. Chernikhov, T. A. Uspenskaya and K. S. Anan'eva. *Zashchita*

Lab. 9, No. 1, 28-33(1940).—For Mg-Li alloys contg. 0.08-0.2% of Li, dissolve a 0.25-g. sample in HCl (1+2), filter if necessary, and dil. to 10 ml. Weigh an aliquot part of the soln. (not over 10 ml., 0.025 g. of the alloy) on a water bath until a film is formed and add 5 ml. or more of a reagent prepd. by dissolving 30 g. of Zn(AcO)₂ in 250 ml. of 60% AcOH with heating to 33-40°, adding 30–5 g. of uranyl acetate, adding some LiZn(UO₂)₂(AcO)₄·6H₂O, letting the soln. stand overnight and filtering before use. Mix the (5 ml. of the reagent for pptn. of 1 mg. of Li). Add the soln. for 2–3 min.; let stand overnight; filter, wash 5–6 times each with 2 ml. of 95% alc. satd. with the triple Li salt, then with 2 ml. of 95% alc. satd. with the triple Li salt for 5 min. at wash with a little dry ether. Dry the residue for 5 min. at 80–90°, cool in a desiccator and weigh. The conversion factor for converting LiZn(UO₂)₂(AcO)₄·6H₂O to Li is 0.04156. For alloys contg. 0.04–0.08% of Li, dissolve 0.2–0.5 g. of sample in HCl (1+2), and evaporate until a film is formed. Add 5–10 ml. of the reagent, mix until the white chloride crystals are dissolved and let stand for 30 min. Filter the residue of the triple salt, wash and dry as above, dissolve in a small amt. of HCl (1+100), evaporate nearly to dryness, add 5–10 ml. of the reagent, mix, let stand for 30 min., filter, wash, dry and weigh. The amt. of Li pptd. must not be less than 0.2 mg. For the rapid detn. of Li in alloys contg. 0.2–2.0% of Li, dissolve 0.5 g.

PROCESSING AND PREPARATION OF
Volumetric and gravimetric determination of cerium
and thorium by the iodate method Vu A Chernikova

1 and T. A. Uspenskaya. *Zhurnal Khim. 9, 276-83*
(1940).—Ppt. the Ce by adding an equal vol. of a soln.
contg. 100 g. KIO_3 + 333 ml. HNO_3 (d 1.04) in 1 l.
Under such conditions the final soln. should contain 5%
by wt. of KIO_3 . Filter through a sintered glass filter,
wash with HNO_3 soln. of KIO_3 1-2 times with small
portions of 50% alc. and finally 1-2 times with ether.
Dry for 10-15 min. at 40-45°, dissolve in acidified KI
soln. and titrate the liberated I with 0.1 N thio-sulfate.
For less than 1 mg. Ce filter through an asbestos filter,
omit the washing with ether and titrate with 0.01 N thio-
sulfate. The ppt. corresponds to $2Ce(IO_3)_2 \cdot KIO_3 \cdot 8H_2O$.
Volumetric and gravimetric results agreed well. The
dtn. is not affected by most common elements and is
not affected by sulfates, phosphates, oxalic and citric
acids. Tartaric acid should not be present and Fe, Ag,
Pb, Th, Zr, Ti, Mn and Th should be removed. The
method is also applicable for dtn. Th. The compn. of
the Th ppt. is $4Th(IO_3)_4 \cdot KIO_3 \cdot 18H_2O$. If Ce and Th are
both present, add a few drops of 3% H_2O_2 and ppt. as
above, filter, wash and titrate. Add a small amt. of cryst.
 KIO_3 to the filtrate to oxidize Ce to Ce^{IV} . Filter off
the ppt., wash and titrate as usual. For the quant.
sepn. of Ce and Th, one pptn. of Th is sufficient. For
less than 2 mg. Th and large amts. of Ce reppns. are
necessary.
H. Z. Knoch

7

CH

Analysis of ferrochromium. B. I. Gul'dina, T. A. Us-
penakaya and Yu. A. Chernikhov. *Zavodskaya Lab.* 7:1007 7-
(1967).—On the basis of literature and exper. data pro-
cedures are described for the analysis of Fe-Cr including
the detn. of Cr, Ta, Ti, Sn, Al and Si. Detn. of Si by
fusing with alkali bisulfate is not recommended because of
large losses. Instead, treat 0.5-1.0 g. sample with 5 ml.
concd. HNO₃ and then with 20-25 ml. concd. H₂SO₄.
Continue heating until SO₃ is liberated continuously. Cool,
add 200-250 ml. satd. NH₄ oxalate, heat to dissolve sul-
fates, filter, wash with hot 1% H₂SO₄ contg. 5 g. oxalic
acid/l., then with hot water and ignite. B. Z. K.

ASA-ILA METALLURGICAL LITERATURE CLASSIFICATION

Ca

PROPERTIES AND PROPERTIES INDEX

Application of the iodate method to the separation and determination of the rare elements. T. A. Uspenskaya and Yu. A. Chernikhov. *Compt. rend. acad. Sci. U.S.S.R.* N. 20, 807-1 (1960) (in English). - It is known that Ce and Th can be pptd. as $2Ce(IO_3)_3 \cdot KIO_3 \cdot 8H_2O$ and $4Th(IO_3)_4 \cdot KIO_3 \cdot 10H_2O$ and the ppts. made the basis of either a gravimetric or volumetric detn. of Ce and Th. Similar ppts. can be obtained with Zr and Ta. The Zr ppt. is $2Zr(IO_3)_2 \cdot KIO_3 \cdot 8H_2O$ and in the Ta ppt. $1Ta \cdot 2IO_3$ although its exact compn. is not yet known. Ce is not pptd. by KIO_3 so that the reaction can be used for sepp. Ta and Ce. Details concerning the procedure are not given. W. T. H.

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

SECTION 1

SECTION 2

SECTION 3

SECTION 4

SECTION 5

SECTION 6

SECTION 7

SECTION 8

SECTION 9

SECTION 10

SECTION 11

SECTION 12

SECTION 13

SECTION 14

SECTION 15

SECTION 16

SECTION 17

SECTION 18

SECTION 19

SECTION 20

SECTION 21

SECTION 22

SECTION 23

SECTION 24

SECTION 25

SECTION 26

SECTION 27

SECTION 28

SECTION 29

SECTION 30

SECTION 31

SECTION 32

SECTION 33

SECTION 34

SECTION 35

SECTION 36

SECTION 37

SECTION 38

SECTION 39

SECTION 40

SECTION 41

SECTION 42

SECTION 43

SECTION 44

SECTION 45

SECTION 46

SECTION 47

SECTION 48

SECTION 49

SECTION 50

SECTION 51

SECTION 52

SECTION 53

SECTION 54

SECTION 55

SECTION 56

SECTION 57

SECTION 58

SECTION 59

SECTION 60

SECTION 61

SECTION 62

SECTION 63

SECTION 64

SECTION 65

SECTION 66

SECTION 67

SECTION 68

SECTION 69

SECTION 70

SECTION 71

SECTION 72

SECTION 73

SECTION 74

SECTION 75

SECTION 76

SECTION 77

SECTION 78

SECTION 79

SECTION 80

SECTION 81

SECTION 82

SECTION 83

SECTION 84

SECTION 85

SECTION 86

SECTION 87

SECTION 88

SECTION 89

SECTION 90

SECTION 91

SECTION 92

SECTION 93

SECTION 94

SECTION 95

SECTION 96

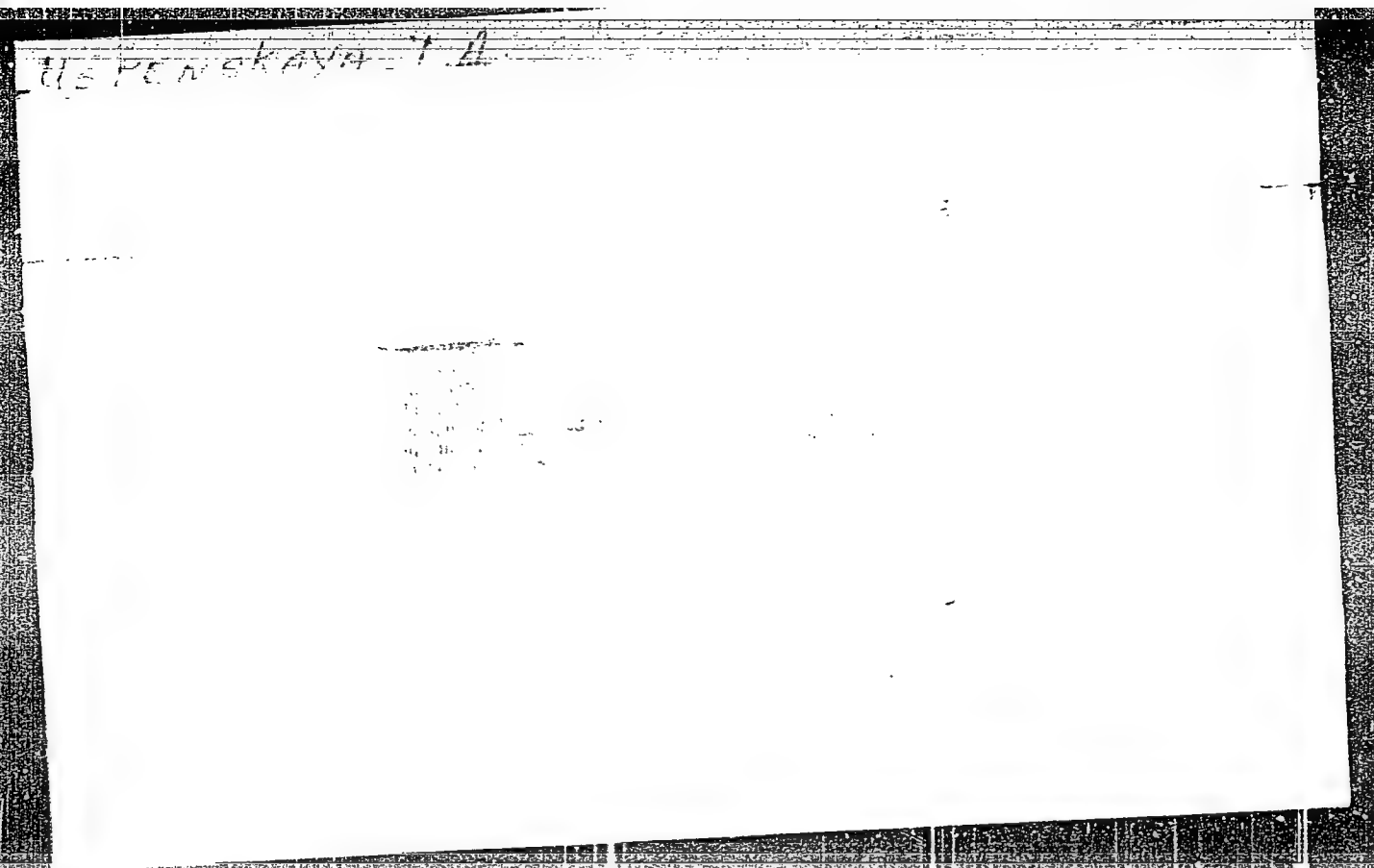
SECTION 97

SECTION 98

SECTION 99

SECTION 100

LIST AND (NO. EQUIP.)		PROCESSES AND PROPERTIES AND/OR	
1		<p><i>CA</i></p> <p>Determination of Zirconium by the iodide method. Yu. A. Chernikova and T. A. Uspenskaya. <i>Zashchita</i> <i>Lab.</i> 10, 248-51(1941).—(a) Content of Zr in soln. is in excess of 1 mg. If soln. contains 1-4 mg. Zr the vol. should not exceed 10 ml. Larger amts. can be pptd. from a vol. of 20 ml. Mix the cold soln. of $Zr(NO_3)_4$ in 5 N HNO_3 and add an equal vol. of a 10% soln. of KIO_3 in 5 N HNO_3. The amt. of KIO_3 added should be at least 15-20 times that required theoretically. When the soln. has clarified (30-40 min. later), filter and wash 3-4 times with 15-20 ml. of 0.5% KIO_3 in 0.75 N HNO_3. Then wash 3-4 times with 10-15 ml. of 95% EtOH and then with 2-4 ml. of ether. Dry at 40-45° for 10-15 min. and wash off with a stream of water into a flask. Use a mist. of 20 ml. of 2.5 N HCl and 10 ml. of 10% KI to dissolve any particles of iodate adhering to the walls of the capsule. Combine both portions and dissolve. Dil. to 40 ml. ml. with water and titrate the liberated iodine with 0.1 N thiosulfate in presence of starch. (b) Content of Zr in soln. is less than 1 mg. The vol. of soln. should not ex- ceed 2 ml. Evap. the soln. to dryness on a water bath, dissolve in 2 ml. HNO_3 (1:2), and add 2 ml. of 1. Filter after 30-40 min. through asbestos, wash 3-4 times with wash water (using a total of 10-15 ml.), then with small amts. of 95% EtOH (using a total of 10-15 ml.). Dis- solve with 10 ml. HCl (1:4) on the filter, pour a mist. of 10 ml. HCl (1:4) and 2 ml. of 4% KIO_3 on the filter and apply suction. Titrate the liberated iodine with 0.1 N thiosulfate in presence of starch. Detms. of less than 1 mg. Zr show an error of -15%, while for over 1 mg. Zr the error is 20%. The ppt. corresponds to $Zr(IO_3)_4 \cdot KIO_3$. H. Z. Kamich</p>	
2		<p>ASB-5LA METALLURGICAL LITERATURE</p>	



USPENSKAYA, T.A.
AUTHOR
TITLE

PERIODICAL
ABSTRACT

CARD 1/2

MEYERSON, T.A., KAPLAN, G.Ye., USPENSKAYA, T.A. 89-9-15/34
Improvement of the Alkali Decomposition Process of
Monazite.
(Usovershenstvovanie protsessa shchelochnogo razlozheniya
monatsita)
Atomnaya Energiya, 1957, Vol. 3, Nr 9, pp 259-260 (USSR)

The initial material, a monazite concentration, had a granulation of 1-5 mm. As a decomposing medium NaOH (50 g/l) was used at a temperature of 130°C. First, the concentration was treated in a heatable ball mill (1,5 l cubic capacity, diameter 0,8 cm, weight 1,5 kg), which was mounted in a lift thermostat. Experimentally 4 hours duration was found to be the optimum. It was further proved by experiment that the decomposition of the concentrate (> 99,5 %) is best if the consumption of NaOH is 150 - 200 % of the weight of the initial concentrate. For a further reduction of the consumption of NaOH a further two-step treatment was used. During the first step 75 % of the weight of the initial material was used as NaOH weight. The not soluble remains of this step were collected (from 10 fillings) and were

89-9-15/32

Improvement of the Alkali Decomposition Process of
Monazite.

anew treated with 150 % of the weight of the remainder
of the NaOH weight in the ball mill. The NaOH of the
second step was used again for the next first step.
(With 1 Table, 1 Illustration and 5 Slavic references)

ASSOCIATION	not given.
PRESENTED BY:	-
SUBMITTED:	10.VI. 1957
AVAILABLE:	Library of Congress.

CARD 2/2

USPENSKAYA T. A.
KAPLAN, G. E. and USPENSKAYA, T. A.

"Investigation of Alkaline Methods of Treating Monazite and Zircon."

paper to be presented at the 2nd UN Intl Conf. on the peaceful uses of Atomic
Energy, Geneva, 1 - 13 Sep 58.

SOV/89-5-2-8/36

AUTHORS: Kaplan, G. Ye., Zarembo, Yu. I.,
Uspenskaya, T. A.

TITLE: The Present Stage of the Production and Consumption of Thorium
(Sovremennoye sostoyaniye proizvodstva i potrebleniya toriya)

PERIODICAL: Atomnaya energiya, 1958, Vol. 5, Nr 2, pp. 147-154 (USSR)

ABSTRACT: On the basis of foreign publications the perspectives offering
themselves for thorium in atomic industry are discussed.
Within the last few years a number of plants was established in
the USA, India, Brazil and other countries, which work thorium-
containing ores. The separation of thorium and rare earths from
monazite was carried out mainly by means of the alkaline proc-
esses. The extraction process is applied for the production of
pure thorium compounds. Metallic thorium is obtained by the
thermal as well as by the electrolytical method, namely from
chlorine-fluorine or pure fluorine baths. Compact metallic thorium
is obtained by means of the powder-metallurgical method or by the
melting method. There are 40 references, 13 of which are Soviet.

Card 1/2

USPENSKAYA, T.A.

RU(4) PAGES 1 BOOK REPRODUCTION 807/271A

International Conference on the Peaceful Use of Atomic Energy. 2nd, Geneva, 1958

Industry available technology; Yekaterina goryunova i reaktorovye metalli. (Reports of Soviet Scientists; Nuclear Fuel and Reactor Materials) Moscow, Academiya, 1959. 670 p. (Series: Trudy, vol. 5, 6, 1000 - copies printed.

Ms. (Title page): A.A. Bockstov, Academician, A.P. Vinogradov, Academician, V.B. Yemel'yanov, Corresponding Member, USSR Academy of Sciences, and A.P. Kefirov, Doctor of Technical Sciences; Ed. (Inside book): V.V. Puzovskiy and O.A. Pukhovskiy; Tech. Ed. E.I. Masal'.

REMARKS: This volume is intended for scientists, engineers, physicists, and biologists working in the production and peaceful application of atomic energy; for professors and students of schools of higher technical education where the subject is taught; and for people interested in atomic science and technology.

CONTENTS: This is volume 5 of a 6-volume set of reports on atomic energy presented by Soviet scientists at the Second International Conference on the Peaceful Use of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 5 consists of two parts. The first part, edited by A.I. Zinov, is devoted to geology, prospecting, concentration, and processing of nuclear source material. The second part, edited by G.L. Sverdrup, includes 27 reports on metallurgy, metallurgy, and metallurgical engineering, metallurgical materials, and nuclear energy. The reports are arranged in two sections: metallurgy and nuclear energy. The title of the individual papers is given in the Russian and English languages. The title of the entire volume is given in the Russian language edition on the Conference proceedings. See Report No. 2001 for the titles of the other volumes of the set.

Yemel'yanov, V.B., I.A. Zhukov, M.L. Nizov, A.M. Sidorov, and V.M. Labashko. Production of Alkylalcohols from Synthetic Alkanes and One (Report No. 2002)

Sydney, M.A., and I.T. Lerrish. Viability of Methyl (Report No. 2005) Lerrish, I.T., M.A. Sydenham, and I.T. Lerrish. Extraction of Uranium from Natural Water (Report No. 2006)

Shcherbakov, V.B., E.I. Solov'ev, M.P. Krasovskiy, G.A. Tsvetkov, V.A. Alsharov, and O.A. Turpachev. Complex Utilization of Uranium Ore (Report No. 2008)

Bayliss, O.F., and J.A. Dymally. Investigations on Alkaline Methods for Uranium and Zircon Processing (Report No. 2154)

Card 5/11

PHASE I BOOK EXPLOITATION

SOV/5017

Kaplan, G. Ye., T. A. Uspenskaya, Yu. I. Zarembo, and I. V. Chirkov

Toriy, yego syr'yevyye resursy, khimiya i tekhnologiya. (Thorium, Its Raw
Material Resources, Chemistry and Technology) Moscow, Atomizdat, 1960.
223 p. Errata slip inserted. 4,000 copies printed.

Ed.: Ye. I. Panasenkov; Tech. Ed.: N. A. Vlasova.

PURPOSE: This book is intended for chemists, physicists, and researchers
in the field of atomic energy.

COVERAGE: This is a review of Soviet and other literature on thorium
published in the past 15-20 years. The material contains data on the
main characteristics of thorium geochemistry and mineralogy and on the
current raw material base of thorium outside the Soviet Union. It covers
the physicochemical, corrosion-resisting, and radioactive properties of
thorium, including its fields of application. The production technology
for commercial and technically pure thorium is described along with its
basic compounds and alloys. Brief information on the analytical chemistry
of thorium is also included. The problems concerning the fuel cycle

Card 1/5

Thorium, Its Raw Material Resources (Cont.)

807/5017

schemes for U^{233} , the properties of irradiated thorium, and its processing technology will be dealt with in another book. Ch. II. was written by I. V. Chirkov, and the other chapters by G. Ye. Kaplan, Yu. I. Zarembo, and T. A. Uspenskaya. References accompany each chapter.

TABLE OF CONTENTS:

	2
Foreword	3
Ch. I. Fields of Application and Rates of Production of Thorium	7
Bibliography	9
Ch. II. Mineral Raw Material Resources of Thorium	9
Basic characteristics of the geochemistry and mineralogy of thorium	9
Types of thorium deposits	9
Recent state of the raw material base of thorium outside the Soviet Union; industrial importance of deposits of different genetic types	44
Bibliography	55

Card 2/5

CHIRKOV, I.V.; KAPLAN, G.Ye; USPENSKAYA, T.A.; NEVSKIY, V.A.,
nauchnyy red. ~~T.I.~~ MATIS, T.I., red. izd-va; BORISOV, A.S.,
tekhn. red.

[Industry's requirements as to the quality of mineral raw
materials; handbook for geologists] Trebovaniia promyshlennosti
k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov.
Izd.2., perer. Moskva, Gosgeoltekhizdat. No.72. [Thorium]
Torii. Nauch. red. V.A.Nevskii. 1961. 82 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany neдр.
(Thorium)

S/080/62/035/006/005/013
D204/D307

AUTHORS: Kaplan, G. Ye., Uspenskaya, T. A. and Epshteyn, A.L.
TITLE: A study of the decomposition of monazite by sintering
with calcium oxide
PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 6, 1962,
1217-1222

TEXT: This is a continuation of earlier work, aimed at confirming that ultrafinely ground monazite concentrate may be decomposed with CaO at comparatively low temperatures. The grinding was carried out by a continuous, wet process, using a vibrating mill M-10 (M-10), constructed by VNIITISM. The effects of time and temperature, nature and quantity of fluoride activators added and the degree of grinding were studied. Preliminary experiments showed the specific surface area of monazite to be the dominant factor. Detailed studies showed that practically 100% decompositions could be achieved on material with a specific surface area of 12,000 cm²/g (~1 μ particles), with 7 - 10% of NaF added. Under the same con-

Card 1/2

A study of the ...

S/080/62/035/006/005/013
D204/D307

ditions CaF_2 gave only ~87 - 89% extraction of ThO_2 and R_2O_3 (R = rare earth). Concentrate of the same specific surface area and containing 10% NaF was wholly decomposed at 1000°C but only at 1100°C when NaF was replaced by CaF_2 . The same concentrate was fully decomposed after ~4 hrs at 1000°C if the product was leached out with a solvent containing HF. Thermographic analyses were carried out during the sintering to clarify the processes taking place. At lower temperatures the curves of CaO, monazite + CaO and monazite + CaO + NaF were very similar. At ~ 1000°C an exothermic reaction took place in mixtures of monazite, CaO and NaF or CaF_2 , which was ascribed to the decomposition reaction of monazite. There are 11 figures.

SUBMITTED: May 15, 1961

Card 2/2

S/828/62/000/000/006/017
E039/E420

AUTHORS: Laskorin, B.N., Kaplan, G.Ye., Uspenskaya, T.A.,
Barushkova, R.I.

TITLE: The extraction and separation of tantalum and niobium
from hydrofluoric acid - trioctylamine solutions

SOURCE: Razdeleniye blizkikh po svoystvam redkikh metallov.
Mezhvuz. konfer. po metodam razdel. blizkikh po svoyst.
red. metallov. Moscow, Metallurgizdat, 1962, 71-78

TEXT: Ta and Nb are extracted from a hydrofluoric acid solution
containing Ta_2O_5 and Nb_2O_5 by means of tri-octylamine
[TOA - $(C_8H_7)_3N$]. The extraction is carried out in a separating
funnel using mechanical stirring. After separating the phases
the Ta and Nb content in each is determined radiometrically by
counting the activity of the radioactive isotopes (Ta^{182} and Nb^{95})
which were introduced into the initial solution before extraction.
A chemical analysis was also made and good agreement obtained.
Maximum extraction of Nb in the organic phase is attained with a
contact time of 3 minutes and for Ta in 1 to 2 minutes; hence
in all later experiments contact times of 3 to 5 minutes were used.
Card 1/2

The extraction and separation ...

S/828/62/000/000/006/017
E039/E420

A high separation coefficient ≈ 400 is obtained for concentration $\sum (Ta, Nb)_2O_5 = 200$ g/litre with $Ta_2O_5/Nb_2O_5 \approx 1$. The effect of the type of diluent on the extraction is also investigated. In the case of kerosene a third phase is formed which can be eliminated by the use of decyl or octyl alcohol. The re-extraction of Ta and Nb is examined and it is shown that Nb is extracted by (a) 7% HCl, (b) 6 to 10% HNO₃, (c) 14% NH₄Cl and (d) 25% NH₃ solution. Ta is extracted only by concentrated HNO₃ (600 to 800 g/litre) and 25% NH₃ solution. By a combination of extraction and re-extraction it is possible to obtain an almost complete separation of Ta and Nb from HF solution. There are 4 figures.

Card 2/2

KAPLAN, G.Ye.; USPENSKAYA, T.A.; EPSHTEYN, A.L.

Decomposition of monazite by sintering with calcium oxide.
Zhur.prikl.khim. 35 no.6:1217-1222 Je '62. (MIRA 15:7)
(Monazite) (Calcium oxide)